

**DAIRY SCIENCE B.S.**  
**Dual Emphasis Option**  
**Graduation Checksheet 2007**

<b>University and College Requirements [45 credits]:</b>							
AAEC 1005, 1006	or	ECON 2005,2006	Econ of Food & Fiber	or	Princ Econ	[3]	[3]
BIOL 1105, 1106	or	1005, 1006	Principles Biology	or	Gen Biology	[3]	[3]
BIOL 1115, 1116	or	1015, 1016	Principles Biology LAB	or	Gen Biology LAB	[1]	[1]
<b>select 2 courses (6 credits total)</b>							
CHEM 1015, 1016	or		Intro Chemistry	or		[3]	[3]
CHEM 1035, 1036			Gen Chemistry			[3]	[3]
ENGL 1105, 1106	or	H1204	Freshman English	or	Honors English	[3]	[3]
MATH 1015, 1016			Pre Calculus and Calculus			[3]	[3]
HUM core [area 2]						[3]	[3]
Creativity [area 6]						[1]	
Global [area 7]						[3]	
Non-designated Writing Intensive Course <sup>4</sup>						[3]	

<b>Departmental Requirements [30 credits]:</b>							
ALS 2304 <sup>3</sup> (PRE: BIOL 1106)			Animal Physiology and Anatomy			[4]	
<b>select 2 courses (8 credits total):</b>							
ALS 3104 <sup>3</sup> (PRE: BIOL 1106, MATH 1015)			Animal Genetics and Breeding			[4]	
ALS 3204 <sup>3</sup> (PRE: ALS 2304, CHEM 1016)			Animal Nutrition and Feeding			[4]	
ALS 4304 <sup>3</sup> (PRE: ALS 2304)			Physiology of Reproduction			[4]	
BIOL 2604, 2614 (PRE: BIOL 1106, CHEM 1016)			Gen Microbiology & LAB			[3]	[1]
DASC 2474 <sup>3</sup>			Dairy Science and Industry			[2]	
DASC 3474 <sup>3</sup>			Dairy Information Systems				[3]
DASC 4074 <sup>3,4</sup>			Dairy Science Seminar				[3]
DASC 4374 <sup>3</sup> (PRE: ALS 2304)			Physiology of Lactation			[3]	
Non-designated FST course <sup>3</sup>			any Food Sci & Tech course			[3]	

**TOTAL GENERAL REQUIREMENT CREDITS**                      **75**  
**Complete ONE OPTION for a minimum credit total of**    **120**

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**ELIGIBILITY FOR CONTINUED ENROLLMENT**

1. After completion of 36 semester credits<sup>1</sup>  
12 semester credits in any area<sup>2</sup> of the university core curriculum
2. After completion of 72 semester credits<sup>1</sup>  
24 semester credits in any area<sup>2</sup> of the university core curriculum  
9 semester credits in the required in-major courses
3. After 96 semester credits  
In-major GPA of at least 2.00, Overall GPA of at least 2.00

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- 1 Includes credits completed at Virginia Tech, transfer credits, advanced placement and standing, credit by exam, and freshman rule
  - 2 6 credits English, 6 credits math, 8 credits natural science, 6 credits humanities, 6 credits social science
  - 3 "in major" GPA courses indicated
  - 4 Writing intensive course indicated

<b>Requirements [minimum 9 credits]</b>			
DASC 2484 <sup>3</sup>	Dairy Cattle Evaluation	[2]	
DASC 3274 <sup>3</sup>	Applied Dairy Cattle Nutrition	[3]	
DASC 4174 <sup>3</sup>	Applied Dairy Cattle Genetics	[3]	
DASC 4304 <sup>3</sup>	Reproductive Management		[2]
DASC 4475 <sup>3</sup> , 4476 <sup>3</sup>	Dairy Enterprise Management I & II	[3]	[3]
DASC/ALS 4964 <sup>3</sup> , 4974 <sup>3</sup> , 4994 <sup>3</sup>	Variable	[ ]	[ ]

<b>Minor Requirement [18 to 21 credits]:</b>			
Must complete formal Minor or Dual Major course requirements in any department			
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]

<b>Restricted Electives [3 to 6 credits]</b>			
Any AAEC, ACIS, ALS, APSC, BCHM, BIOL, BSE, CHEM, COMM, CS, CSES, DASC, ECON, ENT, FIN, FIW, FOR, FST, HORT, MATH, MGT, MKTG, PHYS, SPAN, STAT, and VMS courses (with advisor approval).			
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<b>Free Electives [12 credits maximum]:</b>			
		[ ]	[ ]
		[ ]	[ ]
		[ ]	[ ]

<b>Minimum Total Option Credits</b>	<b>45</b>
<b>TOTAL REQUIRED FOR GRADUATION</b>	<b>120</b>

*Student must have completed 2 years of High School Foreign Language OR 6 credits of University Foreign Language. Credits do not count towards graduation requirements.*

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  - 2 6 credits English, 6 credits math, 8 credits natural science, 6 credits humanities, 6 credits social science
  - 3 "in major" GPA courses indicated
  - 4 Writing intensive course indicated.